	Application No.	Applicant(s)		
	09/950,023	JANSEN ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Dung X. Nguyen	2638		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not include will be mailed in due	ed course. THIS	
1. This communication is responsive to 12 September 2005.				
2. ☑ The allowed claim(s) is/are <u>1 - 57</u> .				
 Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No cuments have been received in this r	national stage applica		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submit the property of the property o	ENT of this application. itted. Note the attached EXAMINER'	S AMENDMENT or N		
INFORMAL PATENT APPLICATION (PTO-152) which give		tion is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") mus				
(a) including changes required by the Notice of Draftspers		948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawin ne header according to 37 CFR 1.121(d	gs in the front (not the	back) of	
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F 	sit of BIOLOGICAL MATERIAL IN FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. N AL MATERIAL.	Note the	
Attachment(s)	5 			
1. Notice of References Cited (PTO-892)	5. Notice of Informal Pa)-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./Mail Date	6. ☐ Interview Summary (PTO-413), Paper No./Mail Date		
 Information Disclosure Statements (PTO-1449 or PTO/SB/0) Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit 	_	 7. ☐ Examiner's Amendment/Comment 8. ☐ Examiner's Statement of Reasons for Allowance 		
of Biological Material		nt of Reasons for Allo	wance	
	9. Other			
KENNETH VANDERPUYE 10/12/2005 SUPERVISORY PATENT EXAMINER				

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Allowable Subject Matter

1. Claims 1 - 57 are allowed. The following is an examiner's statement of reasons for allowance:

Regarding to claim 1, the prior art of record fails to show or render obvious of in a system, including a plurality of transmitters which transmit from at least one of the transmitters first and second complex sequences respectively from two spatially diverse antennas of the at least one transmitter to a mobile device, the method at the mobile device, comprising:

Demodulating the first and second complex sequences to produce demodulated of complex first and second sequences;

Detecting the demodulated first and second complex sequences to produce detected complex first and second sequences by multiplying respectively the demodulated first and second complex sequences with complex conjugates thereof;

Averaging a function of the complex detected first and second sequences to produce an average function; and

Processing the averaged function to detect a time, relative to a system time reference, of at least one peak therein resultant from the transmission of the first and second complex sequences.

Regarding to claim 34, the prior art of record fails to show or render obvious of in a system, including a plurality of transmitters which transmit from at least one of the transmitters first and second complex sequences respectively from two spatially diverse antennas of the at least one transmitter, a mobile device comprising:

A demodulator which demodulates the first and second complex sequences to produce demodulated first and second complex sequences;

A detector which detects the demodulated first and second complex sequences by multiplying respectively the demodulated first and second complex sequences with complex conjugates thereof to produce detected first and second complex sequences;

At least one averaging unit, responsive to the detected first and second sequences, which produces an average function of the detected first and second complex sequences; and

A processor, responsive to the averaged function, which detects a time, relative to a system time reference, of at least one peak therein resultant from the transmission of the first and second complex sequences.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Brandao et al. (US patent 5,563,604) lacks of the step of processing the averaged function to detect a time, relative to a system reference, of at least one peak therein resultant from the transmission of the first and second complex sequences.

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Brandao et al. (US patent 5,563,604) discloses a weather radar using spectral Gausian envelope discrimination for clutter rejection.

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Contact Information

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3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dung X. Nguyen whose telephone number is (571) 272-3010.

The examiner can normally be reached on Monday through Friday from 8:00 AM to 17:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mr. Vanderpuye, Kenneth N. can be reached on (571) 272-3078. The fax phone

numbers for this group is (571) 273-3021.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (571) 272-2600.

DXN

October 12, 2005

KENNETH VANDERPUYE
SUPERVISORY PATENT EXAMINER